

OCT 18 2013

TARE, INC.

Consulting Engineers

2242 Highway 70 East
P.O. Box 846
Crossville, TN 38557

Telephone 931/484-7543
Fax 931/484-7544

October 15, 2013

Ms. Sharon Kington
TN Dept. of Environment and Conservation
Cookeville Environmental Field Office
1221 South Willow Avenue
Cookeville, TN 38506

Subject: American Sand Company, LLC.
Site Inspection Letter
50 Acre Tract NPDES No. TN0066231
Putnam County, Tennessee

Ms. Kington,

To follow are responses to your Site Inspection letter dated September 18, 2013 for the subject sand quarry.

1. BMPs have been repaired and adjacent areas have been topsoiled, seeded and mulched to stabilize. The earthen berms have been repaired and are currently being topsoiled, seeded and mulched.
2. A temporary rip-rap filter berm was constructed at the Basin 001 location to control sediment during the construction of the basin. Final basin construction is currently underway and completion is expected within the next two weeks weather permitting.
3. The existing Basin at the 003 location has been repaired and the slag material has been removed from the site. The spillway has been relocated to the western end of the pond to prevent short circuiting. The spillway has been lined with limestone rip-rap. Sediment has been removed and the basin is in good working order.
4. Basin 004 is currently under construction. This basin is being constructed as an incised basin with only the stage and freeboard of the spillway being retained by the embankment. The embankment is being constructed with the best available on site material. In addition the embankment width has been increased by approximately 50% to add additional stability. Rip-Rap will be installed in the finished spillway and the embankment will be topsoiled, seeded and mulched upon completion.
5. The ARAP roadway crossing has been repaired and additional rip-rap armoring has been installed.
6. All of the current disturbance is being directed to sediment control structures via ditches and or earthen berms. The existing berms have been topsoiled seeded and mulched to stabilize.
7. The required analysis of the haul road has been included in the current Quarterly Monitoring Reports and a copy included with this response.

Please contact me if you have any questions or comments.

Sincerely,

TARE, INC.



Darrell M. Hall

Cc: Todd Claiborne, American Sand Company, LLC., Bryan Epperson TDEC



Department of Environment and Conservation - Division of Water Pollution Control

Tennessee Multi-Sector General Permit (TMSP)

ANNUAL STORM WATER MONITORING REPORT

Facility Name:	American Sand Co., LLC	TMSP Number:			
Contact Person:	Tonya Bilbrey	Phone Number:	931-839-2241		
This report is submitted for the following calendar year (e.g. 2002):		Outfall Number:	50 Acres Rd. bed		
List all TMSP sectors which apply to discharge from this outfall:		Sample Date:	09/21/13		
Low Concentration Waiver (Note 3): list all parameters for which the facility is certifying that there has not been a significant change in industrial activity or the pollution prevention measures in the area of the facility that drains to the outfall for which sampling was waived:					
In the spaces below, provide the results of storm water monitoring for the designated outfall. The parameters for which monitoring must be conducted depend on which industry sector(s) of the TMSP applies to the discharge. Look up your sector(s) in the permit and analyze for the parameters which apply. If parameter is not listed below, submit additional sheets. All samples should be collected by grab technique.					
Parameter	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)	Parameter (continued)	Cut-off Conc. (mg/L)	Annual Sample Result (mg/L)
Aluminum, Total	0.75		Magnesium, Total	0.0636	
Ammonia	4.0		Mercury, Total	0.0024	BDL
Arsenic, Total	0.16854		Nickel, Total	2.679	<0.019
BOD, 5-Day	30		Nitrate + Nitrite Nitrogen	0.68	
Cadmium, Total	0.0159	<0.003	Oil and Grease	15	
COD	120		pH	5.0-9.0	
Copper, Total	0.0636	<0.008	Phosphorus, Total (as P)	2.0	
Cyanide, Total	0.064		Selenium, Total	0.2385	<0.063
Fluoride	1.8		Silver, Total	0.032	<0.003
Iron, Total	5.0	4.31	Total Suspended Solids (TSS)	200	
Lead, Total	0.156	<0.025	Zinc, Total	0.395	<0.006
I certify under penalty of law that this document and all of its attachments were prepared under my direction or my supervision in accordance with a system designed to assure qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.					
Printed Name and Title of Authorized Agent		Signature of Authorized Agent		Date	

Instructions

1. The purpose of this form is to report storm water (SW) monitoring results under the TMSP. **Only 1 sample per calendar year is required** (except Sectors J & H, for more details see the TMSP at www.tdec.net/permits/tmsp.htm). Grab samples should be collected within the first 30 minutes (or as soon thereafter as practical, but not to exceed one hour) of when the runoff or snowmelt begins discharging. A separate form must be submitted for each outfall. If more than 1 sample is collected at any outfall, submit the average results of all monitoring data (for calculating average, use 1/2 of a detection level, if parameter was not detected). New facilities must conduct sampling in the year during which permit coverage was obtained and during each following year. The completed form must be submitted by March 31 of the following year, e.g. monitoring required during 2002 calendar year is due by March 31, 2003.
2. If the results of annual SW runoff monitoring demonstrate that the facility has exceeded the cut-off concentration(s), the permittee must inform the Division's local Environmental Assistance Center (EAC) in writing within 30 days from the time SW monitoring results were received, describing the likely cause of the exceedance(s). Furthermore, within 60 days from the time SW monitoring results were received, the facility must review its storm water pollution prevention plan (SWPPP), make any modifications or additions to the plan which would assist in reducing runoff concentrations to less than the monitoring cut-off concentrations for that parameter, and submit to the local EAC a summary of the proposed SWPPP modifications (including a timetable for implementation).
3. Low Concentration Waiver - When the average concentration for a pollutant calculated from monitoring data collected from the first 4 calendar years of monitoring is less than the cut-off concentration, a facility may waive monitoring requirements in the last annual monitoring period. This form should be used for certification of low concentration waiver provision.

Complete, sign and date this form before it is submitted. Keep a copy of the completed form for your records.

Submit the original of the completed and signed form to:

Enforcement and Compliance Section
Division of Water Pollution Control
6th Floor L&C Annex, 401 Church Street
Nashville, TN 37243-1534

SAMPLE REPORT

TTU Center for the Management, Utilization and Protection of Water Resources

Address: Box 5033 Cookeville, TN 38505-0001 Phone 931 372-3538

Web Site: <http://www.tntech.edu/wrc/>

Customer	American Sand Co., LLC		Street	P. O. Box 1018	
Contact			Address	Monterey, TN 38574-0146	
	TEST		Test Method	Result	Units
Sample No.	50 Acres road bed				
Collection Date:	9/21/2013				
1314136-001	Ag		EPA 200.7	<0.003	mg/L
1314136-001	Cd		EPA 200.7	<0.003	mg/L
1314136-001	Cr		EPA 200.7	<0.003	mg/L
1314136-001	Cu		EPA 200.7	<0.008	mg/L
1314136-001	Fe		EPA 200.7	4.31	mg/L
1314136-001	Ni		EPA 200.7	<0.019	mg/L
1314136-001	Pb		EPA 200.7	<0.025	mg/L
1314136-001	Se		EPA 200.7	<0.063	mg/L
1314136-001	Zn		EPA 200.7	<0.006	mg/L
1314136-001	Outside Lab		Outside Lab	Complete	

Dan Dodson

Laboratory Manager

Thursday, October 03, 2013

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Mt. Juliet, TN 37122
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1-800-767-5859
Fax (615) 758-5859
Tax I.D. 62-0814289
Est. 1970

REPORT OF ANALYSIS

October 02, 2013

Mr. Dan Dodson
Tennessee Technological University
Prescott Hall RM 233 1020 Stadium D
Cookeville, TN 38505

ESC Sample # : L659984-01

Date Received : September 27, 2013
Description :

Site ID :

Sample ID : 1314136-001

Project # :

Collected By : Customer
Collection Date : 09/21/13 00:00

Parameter	Result	Det. Limit	Units	Method	Date	Dil.
Mercury	BDL	0.00020	mg/l	245.1	10/02/13	1

BDL - Below Detection Limit

Det. Limit - Practical Quantitation Limit(PQL)

Note:

The reported analytical results relate only to the sample submitted.

This report shall not be reproduced, except in full, without the written approval from ESC.

Reported: 10/02/13 17:11 Printed: 10/02/13 17:34



Berm along disturbance being topsoiled.



Repaired berms currently being topsoiled.



Seeding and mulch applied to the berm



Seeding and mulch applied to the berm



ARAP crossing armoring north side of road.



ARAP crossing armoring south side of road.



Filter fence replaced with sediment trap looking toward wetland left side of road.



Right side of haul road.



Embankment 001 under construction.



Basin 003 has been cleaned and spillway has been reconstructed.



Rip-rap filter berm north side of Rocky Point Road